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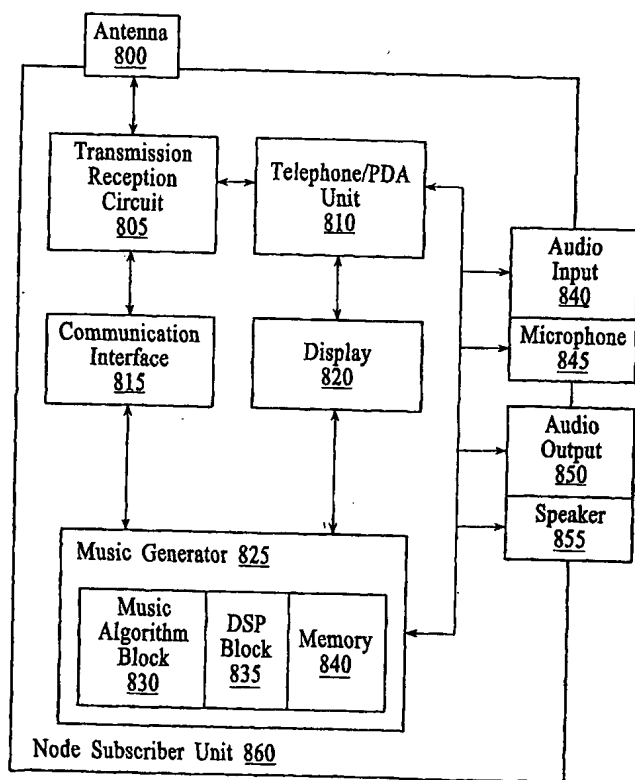
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(54) Title: SYSTEMS AND METHODS FOR CREATING, MODIFYING, INTERACTING WITH AND PLAYING MUSICAL COMPOSITIONS



Node/Subscriber Unit Functional Blocks

(57) **Abstract:** Systems and methods for creating, modifying, interacting with and playing music are provided, particularly systems and methods employing a top-down process, where the user is provided with a musical composition that may be modified and interacted with and played and/or stored (for later play). The system preferably is provided in a handheld form factor (860), and a graphical display is provided to display status information, graphical representations of musical lanes or components which preferably vary in shape as musical parameters and the like are changed for particular instruments or musical components such as a microphone input (845) or audio samples. In addition, the present invention makes use of node-based music generation as part of a system and method to broadcast and receive music data files, which are then used to generate and play music. The present invention is characterized by the broadcast of relatively small data files that contain various parameters sufficient to describe the music to the node/subscriber music generator.

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